ATT to 008-0516

13 July 1999

## MEDICHARITHI FOR THE RECUED

MERICO: The Meeting of July 9 at BMD in Los Angeles

Attendence: BE

AJPA OCCURNO:

and at least 5 others.

In addition there were some 10 to 15 unidentified individuals. I was told that the attendance was only partly cleared for CONOMA.

- 1. The purpose of the meeting was to consider and, if possible, to reaffirm in the light of STL's investigation the decisions reached at the earlier progress review meeting to conduct Flight VI on a "medium risk" besis using RJ-1 fuel and with some weight reduction in the system.
- 2. Lockheed, through indicated a 90% plus confidence factor (seide from reliability) for Flight VI assuming:
  - E. Altitude 120 miles
  - b. Eccentricity of .05
  - c. Use of AJ-1 fiel (equivalent weight reduction) 60 lbs.
  - d. 170° eximith

20 lbs.

e. Assurtions in weight (see attackment)

63 lbs.

POTAL.

143 lbs.

- 3. STL, in communing on the Lockheed recommendations, indicated that the last flight ren 200 ft per second less velocity than the Lockheed figure but agreed that the difficulties in interpreting the scanty track data could account for the difference in the two figures.
- 4. Will hed not had the opportunity to consult with Lockheed prior to the meeting and had therefore meanmed the previous eccentricity of

NRO review(s) completed.

LUIL

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25X1

25X1

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25X1

of in propering their recommendations for Flight VI. On the same assumptions otherwise (BJ-1 fuel, 170° animath, 63 lbs. weight reduction) and further assuming a 5 day life, STL's confidence factor was less than 40%. Their recommendation was to seek higher altitude from the system, retain the lower eccentricity, and to seek improved performance in both the Thor and the Bell Bustler in certain specified areas.	:
testing in the extreme range of mixture ratios to be encountered during the flight.	
6. As the meeting closed there aggreered to be agreement between the parties that:	!
a. Lockheed would increase its weight reduction another 14 lbs. This would be derived from eliminating H-2 bottle and certain grid mountings.	:    - 
b. STL would run another set of computations on the assumption of a .05 eccentricity and come up with a new estimate of probable success.	
c. The fuel mixture ratio question raised by would be investigated.	25X1
d. When the results of 6.b. and 6.c. were known 180, 511. and Lookheed would seek agreement prior to the July 14 meeting in Rashington.	
e. On account of the new range eafety computations required by the changed asimuth, the next firing date must be put over to July 24th.	
	25X1

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## LOCKHERD PROFOGAL - 90% Probability

	Fuel to be used Injection Velocity Altitude Eccentricity Espty wgt orbit vehicle Weight reduction		8J1 261 <b>8</b> 0 120 .05 1753 62,6	821 26180 120 .05 1692 105.5
	(Trim structure	3.0		
	Inverter heat sinks	3.0		
	(Slosh balls	12.0		
	(Acquisition beacon bettery	9.0		
Immediate	(Recovery body	_		
for ment	( Film 10			
Clipart	( Ballast 5			
4	( Die 2			
	( Coolring 1.2			
	Corque notar 1.1	19.3		
	(Solar reset of timer	5.0		
	(1800" titanium sphere	7.0		
	(Ground plans	1.0		
	(Derbine exhaust beat shield	1.5		
	(No expension chamber	0.5		
	(Séparation monitor	1.5	62.8	<b>62.8</b>
•	(85/C Berislans			10.0
	(Paiet			2.0
Up to 2	(Mydraulic mounting plate			2.0
months	(Anvironmental measurements			3.0 2.2
	(Longitudinal acceleration pressure measurements			
4	(Inside vehicle			1.5
	(Beduce gauge			15.6
•	(Nove destruct system to new lo	contiton.		_8.0
				105.5

Assumption is higher injection velocity rether than higher altitude.